

CLAIMS

What Is Claimed Is:

1. An implantable medical device comprising a housing that defines a telemetry window, wherein the telemetry window comprises a metal and is formed with a substantially uniform thickness that is thinner than the remainder of the housing, the implantable medical device further comprising an antenna disposed with the housing and aligned with the telemetry window.

2. The implantable medical device of claim 1 wherein:
the housing, including the telemetry window, is made of a single metallic material.

3. The implantable medical device of claim 2 wherein:
the single metallic material comprises a metallic material selected from the group consisting of commercially pure titanium and a titanium alloy.

4. The implantable medical device of claim 1 wherein:
the telemetry window and the remainder of the housing are made of different materials.

5. The implantable medical device of claim 4 wherein:
the telemetry window is made of a titanium alloy and the remainder of the housing is made of commercially pure titanium.

6. The implantable medical device of claim 1 wherein:
the telemetry window comprises an insert received within an aperture defined by the housing.

7. The implantable medical device of claim 6 wherein:
the telemetry window insert has a periphery and the
aperture has an edge configured to match the periphery.
8. The implantable medical device of claim 1 wherein:
the antenna is part of a transceiver operative to provide
bidirectional telemetric communication.
9. An implantable medical device comprising a housing that
defines a telemetry window, wherein the telemetry window is formed with
an electrical conductivity that is less than that of the remainder of the
housing.
10. The implantable medical device of claim 9 wherein:
the telemetry window comprises an insert received by an
aperture in the housing.
11. The implantable medical device of claim 10 wherein:
the insert has a peripheral edge bonded to a casing wall
edge defining the aperture.
12. The implantable medical device of claim 9 wherein:
the telemetry window has a uniform thickness.
13. The implantable medical device of claim 9 wherein:
the telemetry window is thinner than the remainder of the
housing.
14. The implantable medical device of claim 9 wherein:
the housing and the telemetry window are made of the same
metal.

15. The implantable medical device of claim 14 wherein:
the metal is selected from the group consisting of
commercially pure titanium and a titanium alloy.
16. The implantable medical device of claim 9 wherein:
the telemetry window and the remainder of the housing are
made of different metals.
17. The implantable medical device of claim 16 wherein:
the telemetry window is made of a titanium alloy and the
remainder of the housing is made of commercially pure titanium.
18. The implantable medical device of claim 9 wherein:
the antenna is part of a transceiver that is operative to
provide bidirectional telemetric communication through the telemetry
window.